

Route 1 & Courthouse Road Intersection Improvement Project

Citizens Information Meeting

August 6, 2015



Project Selection

- Recently completed US Route 1 Corridor Study identified the Route 1/Courthouse Road intersection as one of the longest-delay intersections in Stafford County.
- AM and PM peak hour traffic experiences an average delay of 2-3 minutes, although there are numerous times when the delay is much longer.
- Intersection traffic is projected to increase approximately 500% by 2035.
- Existing 4-way split phasing of traffic signal is extremely inefficient.
- The problem is compounded by the Route 1-Hope Road light.
- New interchange at Exit 140 will change area traffic patterns.



Project Overview

- The overall project is approximately 0.65 miles long and aims to widen Route 1 to provide dedicated left-turn lanes onto Courthouse Road and Bells Hill/Hope Road.
- The project will be split into two phases.
- Phase 1 will improve the Route 1 and Courthouse Road intersection.
- Phase 2 will improve the Route 1 and Bells Hill/Hope Road intersection.
- Preliminary Engineering effort and Right of Way acquisition will encompass both phases.
- Construction of Phase 2 will be dependent on additional funding, with the possibility of completing both phases simultaneously.



Project Organization

- Project Administered by Stafford County
 - Alex Owsiak, PE, will be Project Manager
- Bowman Consulting is the Project Engineer
 - Engineering and design
 - Environmental clearance
 - Right of way acquisition
- VDOT will be providing project oversight, along with design review and approvals
- ❖ Contact Alex Owsiak, aowsiak@staffordcountyva.gov, 540-658-4593 with any questions.



Proposed Typical Section (Phase 1)

- Route 1 will be improved to a 4-lane divided roadway with a concrete median separating northbound and southbound traffic.
- Dedicated left turn lanes will be added to Route 1 at Courthouse Road to improve traffic signal function and reduce intersection delays.
- Eastbound Courthouse Road will be widened to provide a dedicated left-turn, right-turn, and through lane.
- Westbound Courthouse Road will be re-striped to provide a dedicated left-turn, right-turn, and through lane.
- Travel lanes will be 11-feet wide.
- 8' sidewalk will be installed on both sides of Route 1, with the location and design consistent with the streetscape improvements previously completed.



Proposed Typical Section (Phase 2)

- Route 1 will be improved to a 4-lane divided roadway with a concrete median separating northbound and southbound traffic.
- Dedicated left turn lanes will be added to Route 1 at Bells Hill/Hope Road to improve traffic signal function and reduce intersection delays.
- No planned improvements to Bells Hill Road or Hope Road.
- Travel lanes will be 11-feet wide.
- 8' sidewalk will be added to East side of Route 1 along with crosswalks at the intersection to improve pedestrian movement.
- The most recent preliminary design for the improvements are shown on the display boards.



Phase 1 Graphic



Phase 2 Graphic



Project Cost Estimate

- Project is currently being funded through VDOT's Revenue Sharing program.
- Project costs will be split 50/50 by VDOT and Stafford County.
- Phase 1 costs estimated at \$8.6 million.
- Phase 2 costs estimated at \$2.6 million.
- Current funding for project is at \$6.3 million with remaining \$2.3 million programmed for FY 2016.
- The County is investigating whether this project will score well under the new HB2 state transportation funding program.



Next Steps

- Submit Preliminary plans to VDOT for review & comments.
- Hold a Public Hearing to present proposed design to citizens and solicit comments
- Incorporate comments into completed design.
- Begin Right of Way acquisition for the road improvements.



Project Schedule

Begin Plan Development Spring 2015

Hold Public Hearing Spring 2016

Begin Right-of-Way Acquisition Early 2017

Begin Utility Relocations Fall 2017

Begin Construction Early 2018

Construction Complete Summer 2019



QUESTIONS ?

Staff is prepared to answer individual questions following the briefing.

